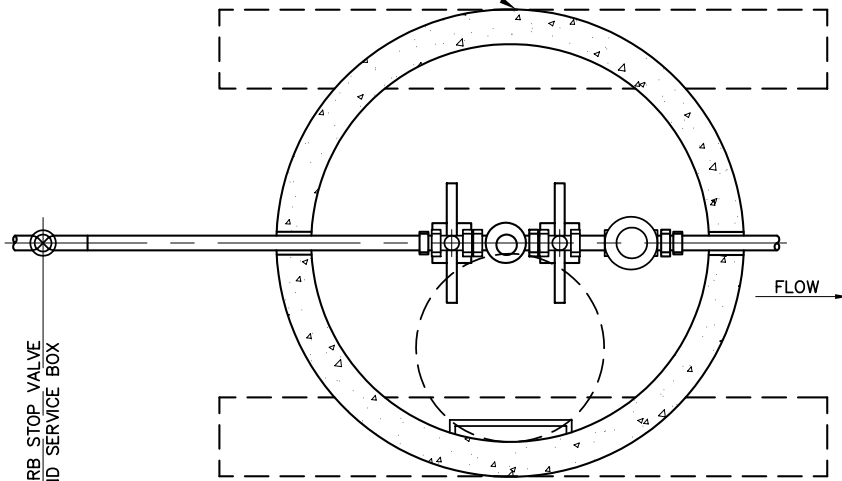
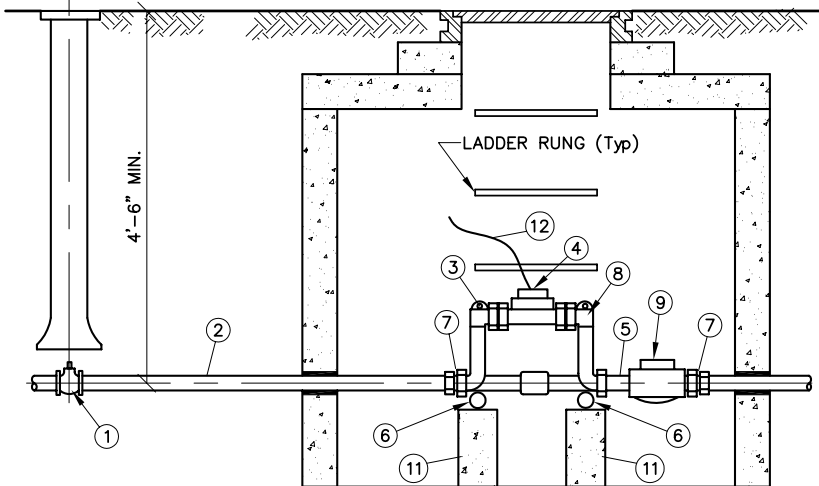


OPTIONAL CONCRETE MANHOLE BASE BEAMS
(SEE DETAIL SHEET NO. 16)



PLAN



ELEVATION

NOTES:

1. MANHOLE BASE BEAMS SHALL BE REQUIRED FOR INSTALLATIONS IN DRIVEWAYS, OR PARKING AREAS.
2. A 48" Ø MANHOLE PIT WILL ACCOMMODATE 1 1/2" AND 2" SPLIT CASE METERS.
3. JOINTS INSIDE METER VAULT SHALL BE EITHER THREADED OR SOLDERED WITH 95-5 TINANTIMONY SOLDER. IN ACCORDANCE WITH ASTM B32.
4. SEE DETAIL SHEET NO. 45 FOR ADDITIONAL NOTES.
5. NO CONCRETE TO BE LAID IN FLOOR OF METER MANHOLE.
6. NO CONNECTIONS OR CHANGES IN PIPE DIAMETER SHALL BE MADE IN THE METER PIT OR IN THE DISTANCE OF FIVE FEET BEYOND THE METER PIT ON THE OUTLET SIDE OTHER THAN COPPERSETTER.
7. THE DISTANCE BETWEEN RUNGS, CLEATS, AND STEPS SHALL NOT EXCEED 12 INCHES AND SHALL BE UNIFORM THROUGHOUT THE LENGTH OF THE LADDER.
8. VAULT WALL PENETRATIONS MUST BE GROUTED WITH CONCRETE.
9. COPPERSETTER OR COPPER METER YOKE FOR 1 1/2" AND 2" WILL BE NO HIGHER THAN 12" WITH A BY-PASS AND BOOT FOR BY-PASS PROVIDED WITH SETTER.
10. 1 1/2" AND 2" REQUIRE AN ELECTRONIC DIGITAL ENCODER OR MECHANICALLY ENCODED REGISTER WITH AN ITRON ERT MODEL 40W-1

COPPERSETTER /METER
WITH BY-PASS

DETAILS:

- ① CURB STOP
- ② TYPE K COPPER TUBING
- ③ 12" COPPERSETTER / METER YOKE
- ④ METER UNIT
- ⑤ 3" NIPPLE BETWEEN COPPERSETTER AND CHECK VALVE
- ⑥ 1" x 23" PIPE
- ⑦ MECH. IRON PIPE TO FLARE COUPLING FROM INLET SIDE OF COPPERSETTER AND OUTLET SIDE OF CHECK VALVE
- ⑧ BY-PASS WILL BE 1" FOR 1 1/2" COPPERSETTERS AND 1 1/2" OR 1 1/4" FIR 2" COPPERSETTERS.
- ⑨ CHECK VALVE (CHECK VALVES ARE NOT REQUIRED WHERE A BACKFLOW PREVENTION DEVICE IS INSTALLED.)
- ⑩ 48" CONE MANHOLE WITH 24" LID.
- ⑪ CONCRETE BLOCK SUPPORTS 4" x 4" x 24"
- ⑫ ELECTRIC CABLE TO ITRON ERT.

SIZE	FORD CUSTOM SETTER		MUELLER	
		CAT. No.	TYPE	CAT. No.
1 1/2"	FLANGED KEY VALVE	V V76-12B-11-66 1" BY-PASS	FLANGED ANGLE METER	H-1423
1 1/2"	FLANGED ANGLE BALL VALVE	VBB76-12B-11-66 1" BY-PASS	FLANGED BALL ANGLE	H-2423
2"	FLANGED KEY VALVE	V V77-12B-11-77 1-1/4" BY-PASS	FLANGED ANGLE METER STOP	H-1423
2"	FLANGED ANGLE BALL VALVE	VBB77-12B-11-77 1-1/4" BY-PASS	FLANGED ANGLE BALL VALVE	H-2423

DENVER WATER

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**OUTSIDE SETTING FOR 1-1/2" AND
2" METER WITH CHECK VALVE AND
BYPASS IN MANHOLE**

Scale: NONE Date: NOV. 1995

Drawn: RVM Tr: Ck:

Approved: Dr. 127 No. 35